



ABSTRACT OF THE DISCLOSURE

1 A direct current sum bandgap voltage comparator for
2 detecting voltage changes in a power supply. The direct
3 current sum bandgap voltage comparator includes a summing
4 node, current sources, and an indicator circuit. The
5 current sources are connected to the summing node and each
6 current source supplies a current to the summing node. The
7 current sources also are connected to a power supply
8 voltage, wherein the current at the summing node is equal
9 to zero when the power supply voltage is equal to or
10 greater than a reference voltage. The indicator circuit
11 has an input connected to the summing node and generates a
12 logical signal at an output that is responsive to changes
13 in the summing node.